

**ABSTRACT**

A humanized specific monoclonal antibody or antibody fragment, especially a B-cell specific antibody or antibody fragment, is engineered to contain a glycosylation site in the non-Fc constant region. The glycosylated antibody is useful for diagnosis and/or therapy whenever a targeting antibody or fragment is used, especially for B-cell malignancies. The carbohydrate moiety allows conjugation of labeling or therapeutic agents of increased size, without affecting the binding affinity or specificity of the antibody.